Name Class

Teacher Date

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| *You are hosting a family dinner but are not sure who is coming yet. To make matters even more complicated, not everyone coming eats the same number of slices of pumpkin pie. Complete the ratio tables so you know how many pies you will need to cook for the possible guests. This is assuming that there are 8 slices in a pie. When finished completing the tables, answer the questions based on the information in the ratio tables. Be sure to explain your answers, describe the process you went through to get your answers, and use complete sentences.* |

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| Math Rubric | | | | | |
| Mathematical Operations | 4 | 3 | 2 | 1 | 0 |
| Mathematical Errors | 4 | 3 | 2 | 1 | 0 |
| Mathematical Explanation | 4 | 3 | 2 | 1 | 0 |
| Mathematical Process | 4 | 3 | 2 | 1 | 0 |
| Total Score | | | | | |

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| |  |  | | --- | --- | | slices | Children | | 1 | 1 | |  | 6 | |  | 8 | |  | 9 | | |  |  | | --- | --- | | slices | Adults | |  | 1 | |  | 5 | |  | 7 | |  | 11 | | |  |  | | --- | --- | | slices | Teenagers | |  | 1 | |  | 5 | |  | 7 | |

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If only 5 adults come to the dinner, how many *slices* will be needed? How many *pies* would be needed?

Use words to explain the ratio of slices to the number of adults. What does it mean?

How many *slices* would you need for 5 teenagers and 7 adults? How many *pies* would that be?

Who would need more pies, 9 children or 7 teenagers?

How many pies would you need to prepare if the following people came to dinner: 11 adults, 1 teenager, and 8 children?

How would you describe the ratio of *slices* to adults compared to the ratio of *slices* to children?

How many pies would you need to prepare if the following people came to dinner: 7 adults, 7 teenagers, and 9 children?